

# Work Order ID 91272

October-05-12 9:15:16 AM

**\*91272\***

Page 1

Item ID: 647.4717 Accept **\*N900040100\*** Setup Start **\*NS1\***  
 Revision ID: Stop **\*NS2\***  
 Item Name: Clip Aft LH  
 Start Date: 10/05/12 Start Qty: 15.00 **\*15\*** Cust Item ID:  
 Required Date: 10/31/12 Req'd Qty: 15.00 **\*15\*** Customer:  
 Reference:

Approvals: Process Plan: MLS Date: 12-10-05 Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start **\*NR1\***  
 QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
647.4700	N/C

110

0.00

**\*110\***

Waterjet

FLOW CNC Waterjet

2021.040

Memo

1-Cut as per Dwg

Dwg Rev: N/C

Prog Rev: N/C

2-Deburr if necessary

0.00

1/6 V 0 Jm 12-10-14

120

QC2- Inspect parts off machine FAI/FAIB

0.00

**\*120\***

QC

Quality Control

Memo

0.00

1/6 V 0 Jm 12-10-14

# Work Order ID 91272

October-05-12 9:15:16 AM

**\*91272\***

Page 2

Item ID: 647.4717 Accept **\*N900040100\*** Setup Start **\*NS1\***  
 Revision ID: Stop **\*NS2\***  
 Item Name: Clip Aft LH  
 Start Date: 10/05/12 Start Qty: 15.00 **\*15\*** Cust Item ID:  
 Required Date: 10/31/12 Req'd Qty: 15.00 **\*15\*** Customer:  
 Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start **\*NR1\***  
 QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130 <b>*130*</b> QC Quality Control	QC8- Inspect parts - second check  Memo	0.00 Smb 12/10/13 0.00				<u>15</u>			
140 <b>*140*</b> Brake NC Brake NC	Bend as per dwg  Memo	0.00 0.00				<u>16</u>			Sb 12/10/16
150 <b>*150*</b> QC Quality Control	QC5- Inspect part completeness to step on W/O  Memo	0.00 Smb 12/10/17 0.00				<u>16</u>			

# Work Order ID 91272

October-05-12 9:15:16 AM

**\*91272\***

Page 3

Item ID: 647.4717 Accept **\*N900040100\*** Setup Start **\*NS1\***  
 Revision ID: Stop **\*NS2\***  
 Item Name: Clip Aft LH  
 Start Date: 10/05/12 Start Qty: 15.00 **\*15\*** Cust Item ID:  
 Required Date: 10/31/12 Req'd Qty: 15.00 **\*15\*** Customer:  
 Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start **\*NR1\***  
 QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
160	Outsource process-Anodize per QSI017 4.1.10.1	0.00							
<b>*160*</b>									
Outsource4	Memo	0.00							
Outsource process - Anodize	HARD ANODIZE, COLOR BLACK AS PER DWG.(SEE NOTE 2)								
170	Receive & Inspect for Damage & Mat'l Certs	0.00							
<b>*170*</b>									
Packaging	Memo	0.00							
Packaging									
180	QC5- Inspect part completeness to step on W/O	0.00							
<b>*180*</b>									
QC	Memo	0.00							
Quality Control									

210.18153

12/10/17 (15)

12/11/17 (15)

15 DAS 05 12/11/07

# Work Order ID 91272

\*91272\*

Page 4

October-05-12 9:15:16 AM

Item ID: 647.4717 Accept \*N900040100\* Setup Start \*NS1\*  
 Revision ID: Stop \*NS2\*  
 Item Name: Clip Aft LH  
 Start Date: 10/05/12 Start Qty: 15.00 \*15\* Cust Item ID:  
 Required Date: 10/31/12 Req'd Qty: 15.00 \*15\* Customer:  
 Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start \*NR1\*  
 QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop \*NR2\*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
190		0.00							
*190*						15	0	0	AB
SprayPaint	Memo	0.00							12-11-17
Spray Painting	PRIME IAW MIL-P-23377J TYPE1 CLASS N AS PER DWG. (SEE NOTE 2)								
	CARDINAL 4860-50 PRIMER BATCH: 122543								
200	QC14- Inspect Spray Paint	0.00							
*200*									
QC	Memo	0.00							
Quality Control									
210	Identify as per dwg & Stock Location: 435	0.00							
*210*									
Packaging	Memo	0.00							
Packaging	***IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV***								

**Work Order ID 91272**

October-05-12 9:15:16 AM

**\*91272\***

Page 5

Item ID: 647.4717

Accept

**\*N900040100\***Setup Start **\*NS1\***

Revision ID:

Item Name: Clip Aft LH

Stop **\*NS2\***

Start Date: 10/05/12 Start Qty: 15.00

**\*15\***

Cust Item ID:

Required Date: 10/31/12 Req'd Qty: 15.00

**\*15\***

Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start **\*NR1\***

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop **\*NR2\***Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

220

QC21- Final Inspection - Work Order Release

0.00

**\*220\***

QC

Memo

0.00

Quality Control

12/11/22 *[Signature]*  
mf  
12-11-21

# Picklist Print

October-05-12 9:15:16 AM

Page 1

Work Order ID: 91272

Parent Item: 647.4717

Parent Item Name: Clip Aft LH

Start Date: 10/05/12

Required Date: 10/31/12

Start Qty: 15.00

Required Qty: 15.00

Comments: IPP REV:A 12.09.19 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M2024T3S.040 2024-T3 .040 sheet		Purchased	No			110	sf	237.0112	0.027	<del>0.4263</del> 158 0.5			

Jm 12-10-14

Location

Loc Qty

Loc Code

MAT022

237.0111626

120605

32.9127416

121197

32.498421

122136

23.7

123217

147.9

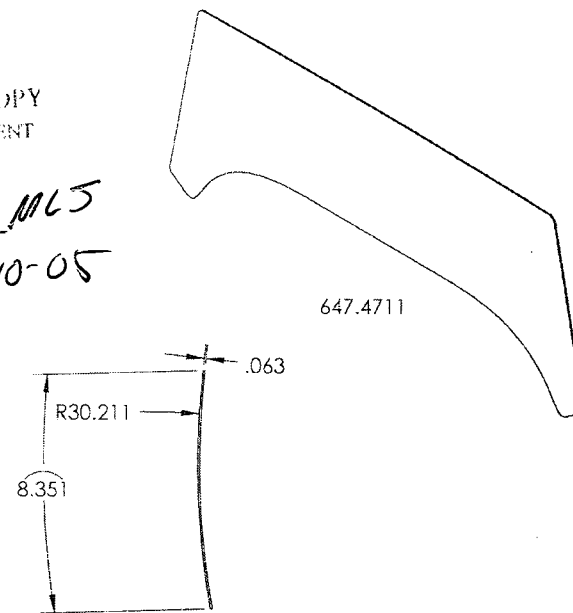
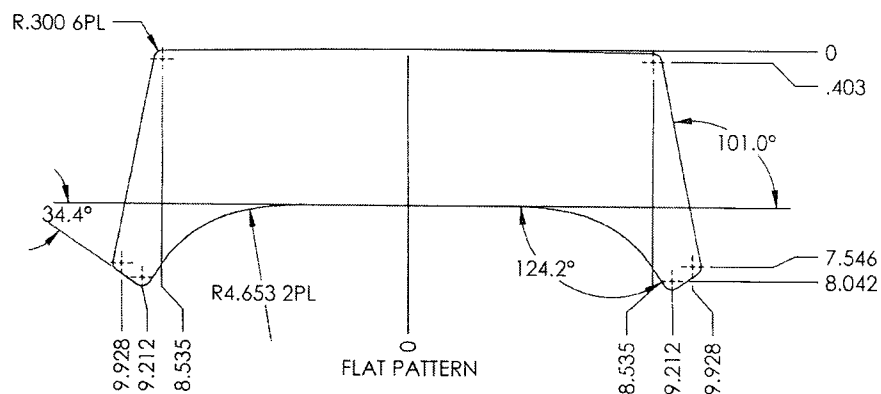
123217

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

# NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL: ALUMINUM 2024-T3 PER AMS-QQ-A-250/4
2. FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE III, CLASS 2, COLOR BLACK;  
CARDINAL 4860-50 PRETREATMENT PRIMER  
PRIME IAW MIL-P-23377J TYPE I CLASS N
3. DEBURR AND BREAK ALL SHARP EDGES
4. IDENTIFY IAW MPP-120

SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 91232 ML5  
12-10-05



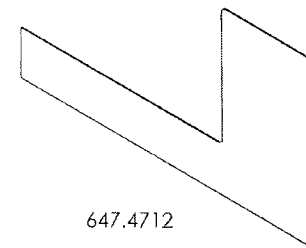
QTY	PART #	DESCRIPTION	MAT'L	SPEC.
1	647.4719	CLIP FWD	△	△
1	647.4718	CLIP AFT RH	△	△
1	647.4717	CLIP AFT LH	△	△
1	647.4716	SPACER	△	△
1	647.4715	CLIP RH	△	△
1	647.4714	CLIP LH	△	△
1	647.4713	BRACKET	△	△
1	647.4712	DOUBLER	△	△
1	647.4711	DOUBLER	△	△
QTY	PART #	DESCRIPTION	MAT'L	SPEC.
1	647.2600	CLIP FWD	△	△
1	647.2600	CLIP AFT RH	△	△
1	647.2600	CLIP AFT LH	△	△
1	647.2600	SPACER	△	△
1	647.2600	CLIP RH	△	△
1	647.2600	CLIP LH	△	△
1	647.2600	BRACKET	△	△
1	647.2600	DOUBLER	△	△
1	647.2600	DOUBLER	△	△

APICAL INDUSTRIES  
2608 TEMPLE HEIGHTS DR.  
OCEANSIDE, CA. 92056-3512 (760)724-5300  
SHEETMETAL  
REV. 1 OF 7

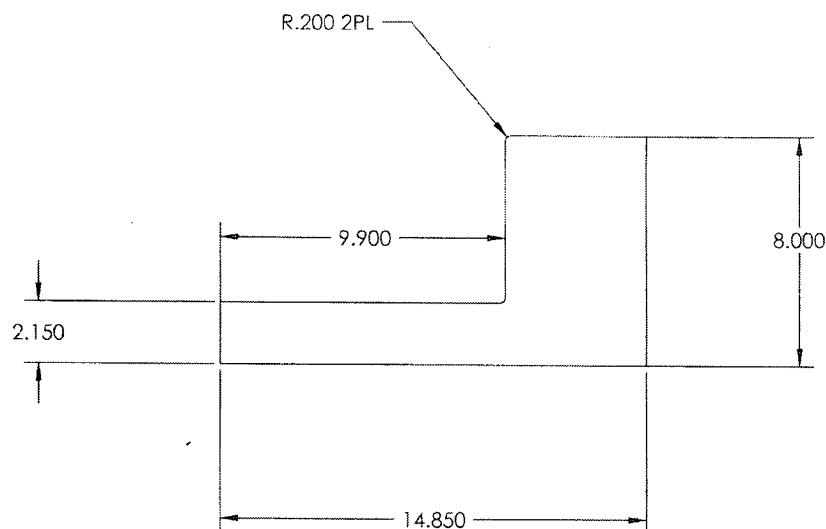
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED

91272



647.4712



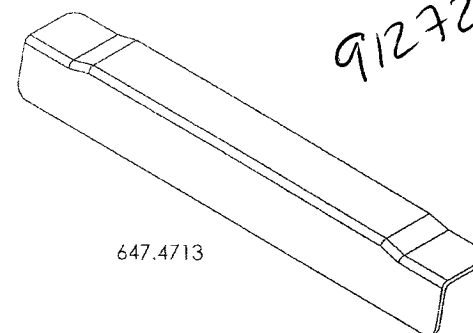
ORIGINAL DATE: 10/12/08 DRAWN BY: J. CHART A. CHART: D. RAFFERTY DRAWING APPROVAL: [Signature] P. BRUNO CONTRACT NO.:			
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ±.005 ANGLES ±.5°			
SET: B CASE CODE: 07M26	DWG. NO.: 647.4700	REV.: N/C	SCALE: NONE
SHEETMETAL		SHEET 2 OF 7	

APICAL INDUSTRIES  
2608 TEMPLE HEIGHTS DR.  
OCEANSIDE, CA. 92056-3512 (760)724-5300

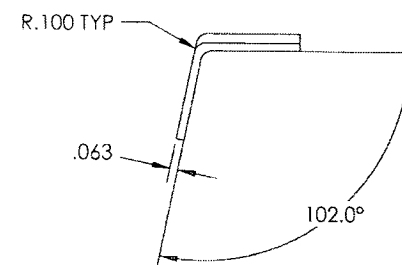
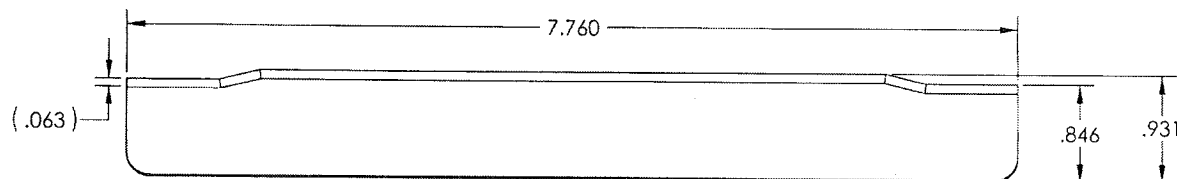
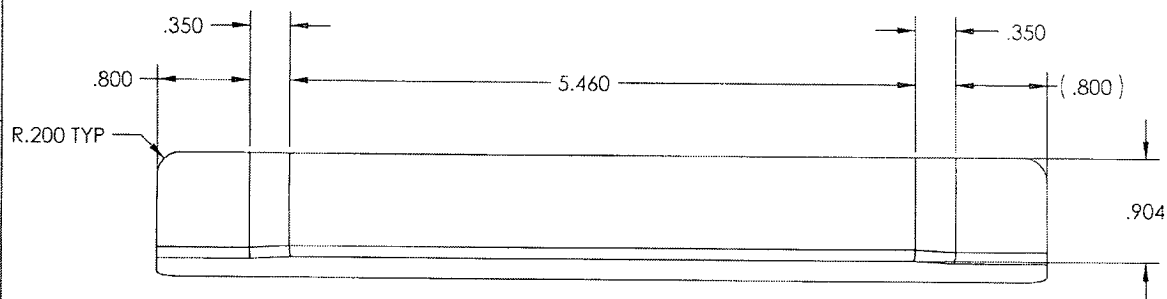


THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES AND REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED

REVISIONS		DATE	APPROVAL
REV	DESCRIPTION		



647.4713



DUPICHA, DATE 10/13/09		APICAL INDUSTRIES	
DRAWN BY A. COALIN		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA 92056-3512 (760) 724-5300	
DRAWING APPROVAL P. REED 10/13/09		SHEETMETAL	
CONTRACT NO.			
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES DECIMALS ARE FRACTIONS ARE 1/16 ANGLES ARE IN DEGREES TOLERANCES ARE FRACTIONS ARE 1/16 DECIMALS ARE			
REV	DATE	DESCRIPTION	REV.
0	07/26/06	647.4700	N/C
SCALE NONE		SHEET 3 OF 7	

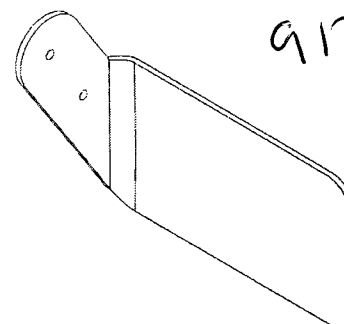
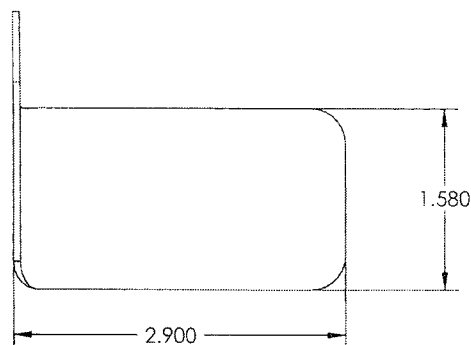
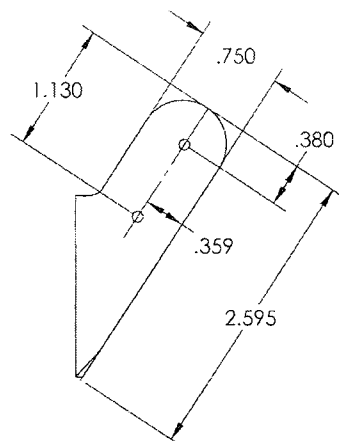
APICAL INDUSTRIES  
2608 TEMPLE HEIGHTS DR.  
OCEANSIDE, CA. 92056-3512 (760)724-5300

SHEETMETAL

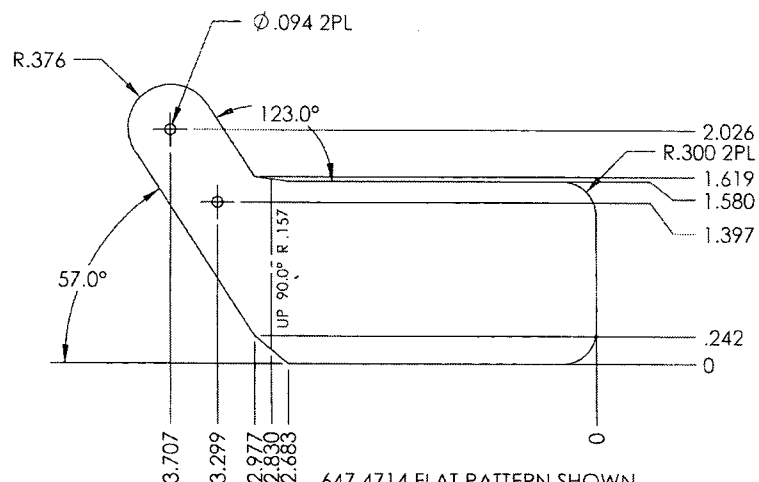
REV.	DATE	DESCRIPTION	BY
1	10/13/09	647.4700	M/C
SCALE: NONE		SHEET 3 OF 7	

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES AND REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

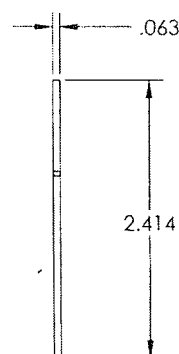
REV	DESCRIPTION	DATE	APPROVED



647.4714 SHOWN  
647.4715 OPPOSITE



647.4714 FLAT PATTERN SHOWN  
647.4715 BEND DOWN



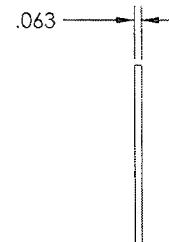
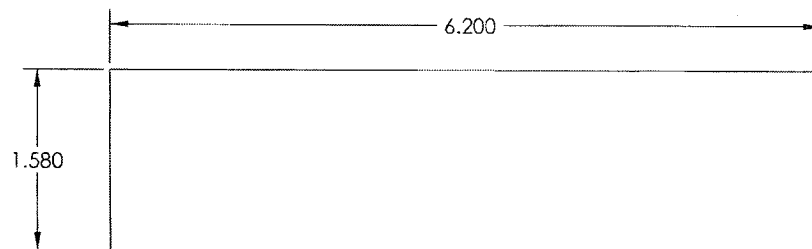
APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	SHEETMETAL
647.4700	REV. N/C
SCALE: NONE	SHEET 4 OF 7

THE INFORMATION CONTAINED ON THIS DRAWING IS THE SOLE PROPERTY OF  
APICAL INDUSTRIES AND REPRODUCTION IN PART OR WHOLE WITHOUT  
THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED

91272

647.4716

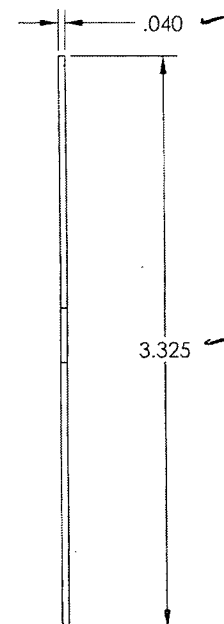
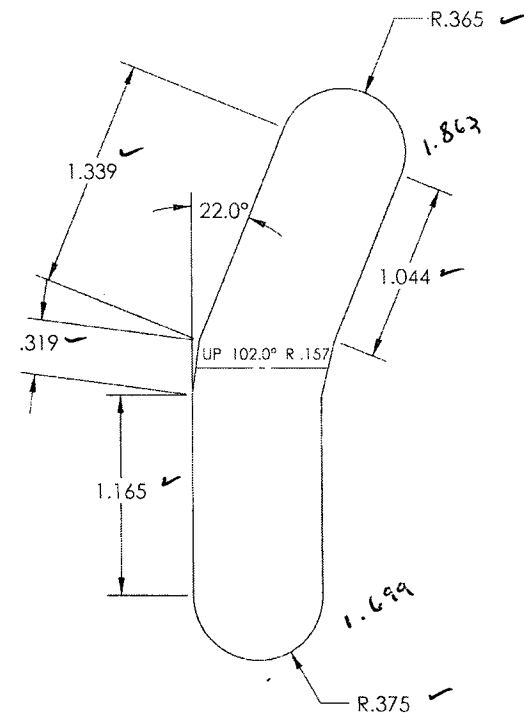
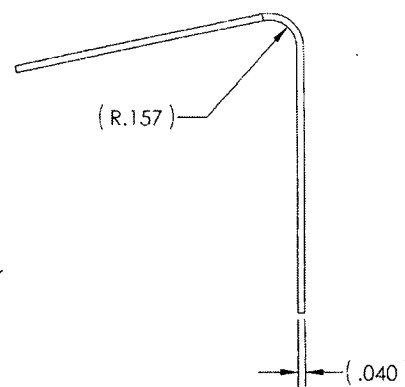
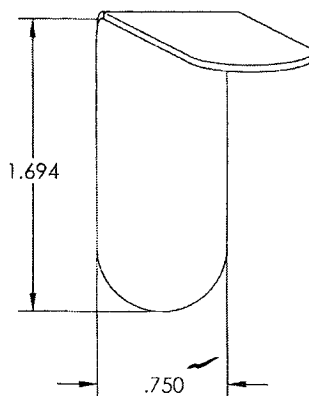
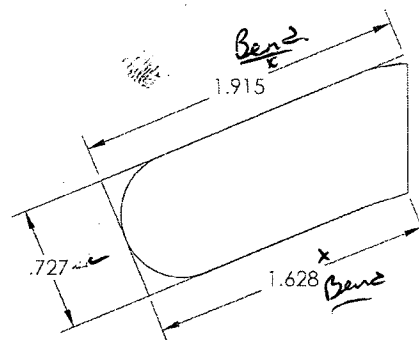
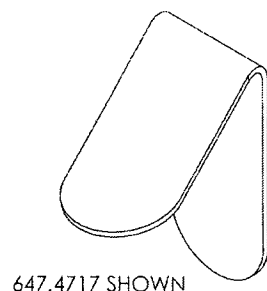


ORIGINAL DATE 10/13/09		<b>APICAL INDUSTRIES</b> 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWN BY J. GUNN			
DRAWING APPROVAL P. GUNN			
CONTRACT NO.		SHEETMETAL	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES CONCENTRIC AS SHOWN 3 PLACE DECIMALS 1/16" ANGLES ± .5°		DWG NO <b>647.4700</b>	REV N/C
SCALE NONE		SHEET 5 OF 7	

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

REVISION		DATE	APPROVED
REV	DESCRIPTION		

91272



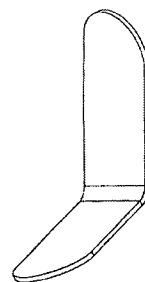
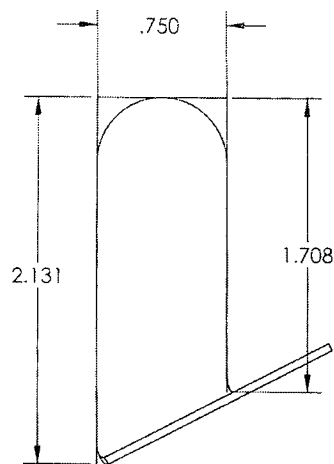
647.4717 FLAT PATTERN SHOWN  
647.4718 BEND DOWN

ORIGINAL DATE: 01/17/09		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWN BY: K. COOK	CHECKED: D. MURPHY		
DRAWING APPROVAL: [Signature]		SHEETMETAL	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ±.01 ANGLES ±.5°		SHEET: B	REV: N/C
SCALE: NONE		DWG. NO.: 647.4700	SHEET: 6 OF 7

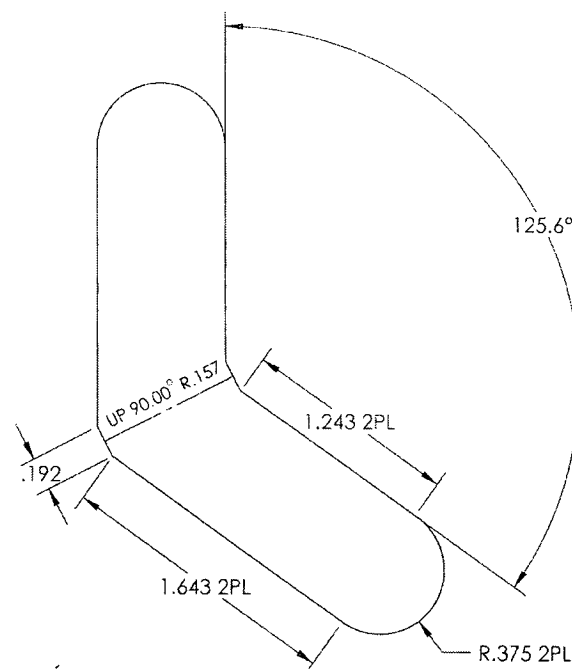
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

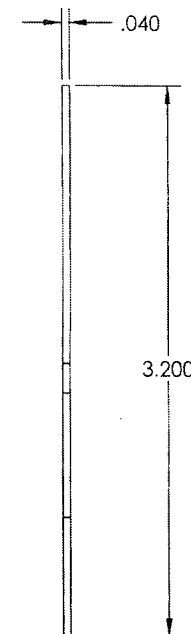
91272



647.4719



647.4719 FLAT PATTERN



ORIGINAL DATE (DD-MO-YY) 05/13/02	<b>APICAL INDUSTRIES</b> 2608 TEMPLE HEIGHTS DR OCEANSIDE, CA 92056-3512 (760)724-5300																		
ISSUED BY A. CHAN B. BURGER																			
REVISED APPROVAL P. BRADY (DD-MO-YY) 05/13/02																			
CONTRACT # 110																			
<b>SHEETMETAL</b>																			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 1. PLACE DECIMALS ±.01 2. PLACE DECIMALS ±.005	<table border="1"><tr><td>REV</td><td>CAGE CODE</td><td>QTY</td><td>REV</td><td>REV</td><td>N/C</td></tr><tr><td>8</td><td>07M26</td><td>647.4700</td><td></td><td></td><td></td></tr><tr><td colspan="4">SCALE: NONE</td><td>SHEET</td><td>7 OF 7</td></tr></table>	REV	CAGE CODE	QTY	REV	REV	N/C	8	07M26	647.4700				SCALE: NONE				SHEET	7 OF 7
REV	CAGE CODE	QTY	REV	REV	N/C														
8	07M26	647.4700																	
SCALE: NONE				SHEET	7 OF 7														





A.T.G. Industries Inc.  
731, rue Industrielle Rd.  
PLATING DEPARTMENT  
Rockland, On K4K 1T2  
Canada  
Ph: (613) 446-4544  
Fax: (613) 446-4556

### Pack List

Number: 62027

Date: 05-Nov-12

To

DART AEROSPACE LTD  
1270 ABERDEEN ST.  
HAWKESBURY, ON K6A 1K7  
Canada

Ship To


DART AEROSPACE LTD  
1270 ABERDEEN ST.  
HAWKESBURY, ON K6A 1K7  
Canada

Ph: 613-632-5200

Fax: 613-632-1185

Ph: 613-632-5200

Fax: 613-632-1185

Terms		Ship Via
Quantity	Description	
	A.T.G. Industries certifies that all items in this shipment are in conformance with all requirements, specifications and drawings referenced in the purchase order.	
	ISO 9001 : 2008 REGISTERED ATG SALES-2010 TERMS APPLY	
	DATE : <u>5/12/12</u>	
	CERTIFIED SIGNATURE : <u></u>	
	RECEIVER SIGNATURE : _____	



A.T.G. Industries Inc.  
 731, rue Industrielle Rd.  
 PLATING DEPARTMENT  
 Rockland, On K4K 1T2  
 Canada  
 Ph: (613) 446-4544  
 Fax: (613) 446-4556

## Pack List

Number: 62027

Date: 05-Nov-12

To

DART AEROSPACE LTD  
 1270 ABERDEEN ST.  
 HAWKESBURY, ON K6A 1K7  
 Canada

Ship To

DART AEROSPACE LTD  
 1270 ABERDEEN ST.  
 HAWKESBURY, ON K6A 1K7  
 Canada

Ph: 613-632-5200

Fax: 613-632-1185

Ph: 613-632-5200

Fax: 613-632-1185

Terms		Ship Via	
Quantity	Description		
1 lot	Part: ASST 10 PCS 646.9813 10 PCS 646.9811 10 PCS 646.9812 10 PCS 646.9812 2 PCS 646.9811 15 PCS 646.4711 15 PCS 647.4716 15 PCS 647.4712 15 PCS 647.4717 15 PCS 647.4714 15 PCS 647.4715 15 PCS 647.4718 HARD ANODIZE BLACK MIL-A-8625 TYPE III CLASS 2 Job: 20120674	Rev:	Line:
1 lot	Part: ASST 7 PCS 647.1810 14 PCS 647.1811 91 PCS 647.1812 2 PCS 647.1612 HARD ANODIZE BLACK MIL-A-8625 TYPE III CLASS 2 Job: 20120673	Rev:	Line:
Certificate of Conformance			